

**ABSTRACT**

A ~~Dialysis machine comprises:~~ dialysis machine includes an extracorporeal blood circuit having an arterial pipe (12) and a venous pipe (15) respectively connected to an inlet and an outlet of a blood compartment (5) of a filter, ~~(4) having a~~ The blood compartment (5) and a dialysis liquid compartment (6) of the filter are separated by a semi-permeable membrane, ~~(7); means (31) for determining~~ The machine is configured to determine a sequence of infusion of a liquid in the extracorporeal blood circuit, from at least one characteristic value ( $FF$ ,  $TMP_{ave}$ ,  $K_{uf}$ ) correlated with the concentration of the blood ( $C_E$  and/or a filtration efficiency of the filter, and (4); and means for infusing to infuse the infusion solution in the arterial pipe (12) and in the venous pipe (15) in accordance with the determined infusion sequence.

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